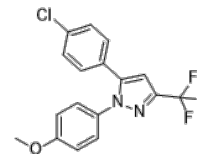


Product Name : SC-560
Cat. No. : PC-22979
CAS No. : 188817-13-2
Molecular Formula : C₁₇H₁₂ClF₃N₂O
Molecular Weight : 352.74
Target : Cyclooxygenase (COX)
Solubility : 10 mM in DMSO



Biological Activity

SC-560 is a potent, highly specific, orally active cyclooxygenase type 1 (COX-1) inhibitor with IC₅₀ of 9 nM, >500-fold selective over COX-2.

SC-560 inhibited COX-1-derived platelet thromboxane B₂, gastric PGE₂, and dermal PGE₂ production, but not COX-2-derived PGs in the lipopolysaccharide-induced rat air pouch.

SC-560 reduced paw PGs to equivalent levels in rat carrageenan footpad model.

References

Smith CJ, et al. Proc Natl Acad Sci U S A. 1998 Oct 27;95(22):13313-8.

Wallace JL, et al. Gastroenterology. 2000 Sep;119(3):706-14.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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